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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/720,706	11/24/2003	Manabu Sawasaki	1324.66570	5369
7:	590 01/07/2005		EXAMINER	
Patrick G. Burns, Esq.			DI GRAZIO, JEANNE A	
GREER, BURNS & CRAIN, LTD. Suite 2500			ART UNIT	PAPER NUMBER
300 South Wacker Drive			2871	
Chicago, IL 60606			DATE MAILED: 01/07/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

<u> </u>	Application No.	Applicant(s)	
	10/720,706	SAWASAKI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Jeanne A. Di Grazio	2871	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ti y within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	imely filed  sys will be considered timely.  In the mailing date of this communication.  ED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on	·		
2a) This action is <b>FINAL</b> . 2b) This	action is non-final.		
3) Since this application is in condition for allowa closed in accordance with the practice under <i>B</i>			
Disposition of Claims			
4) ⊠ Claim(s) 1-40 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 1-40 are subject to restriction and/or	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine	er.		
10)☐ The drawing(s) filed on is/are: a)☐ acc	epted or b) objected to by the	Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	•		
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. Is have been received in Application in the second in the secon	tion No ved in this National Stage	
Attachment(s)	·		
1) Notice of References Cited (PTO-892)	4) Interview Summar	y (PTO-413)	
Notice of Draftsperson's Patent Drawing Review (PTO-948)     Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)     Paper No(s)/Mail Date	Paper No(s)/Mail D	Date Patent Application (PTO-152)	

## **DETAILED ACTION**

## Election/Restrictions

This application contains the following patentably distinct species of the claimed invention:

Species A1, Figure 2, a first basic configuration of a substrate for a liquid crystal display, drawn to a liquid crystal display wherein resin color filter layers are formed between pixel electrodes and drain bus lines.

Species A2, Figure 3, a modification of the first basic configuration drawn to a liquid crystal display wherein pixel electrodes are formed such that predetermined gaps in the direction of the substrate surface are kept between edges of the pixel electrodes and drain bus lines in order to prevent the pixel electrodes from overlapping the drain bus line when viewed in a direction perpendicular to the substrate surface.

Species A3, Figure 4, a second basic configuration of a substrate for a liquid crystal display, drawn to a liquid crystal display wherein resin color filter layers are laminated in the same order in the vicinity of the intersection between the gate bus line and the drain bus line to form a resin overlap section to serve as a black matrix.

Species B, Figure 7, Embodiment 1-1, drawn to a transmission type liquid crystal display wherein linear protrusions are formed on a common electrode substrate at an angle to edges of pixel regions. On the TFT substrate, slits and finer slits extending from the slits substantially perpendicularly to the extending direction of the slits are formed at an angle to the edges of the pixel region. The linear protrusions and slits are alignment-regulating structures.

Species C1, Figure 17, Embodiment 1-2, drawn to a transmission type liquid crystal display wherein dielectric layers are formed above slits.

Species C2, Figure 42, Modification of Embodiment 1-2, drawn to a transmission type liquid crystal display wherein a columnar spacer is structured by only resin CF layers R, B and G laminated in the same order in the vicinity of intersections between gate bus lines and drain bus lines on the TFT substrate.

Species D, Figure 19, Embodiment 1-3, drawn to a transmission type liquid crystal display having a frame pattern for shielding edges of the display area from light formed in the frame region and an alignment mark formed on the glass substrate on a side of the frame region.

Species E, Figure 23, Embodiment 2-1, drawn to a transmission type liquid crystal display having color filters on the TFT substrate side.

Species F, Figure 24, Embodiment 2-2, drawn to a transmission type liquid crystal display device wherein a common electrode substrate has a glass substrate having a thickness smaller than that of a TFT glass substrate and color filter on the TFT substrate.

Species G, Figure 25, Embodiment 3-1, drawn to a transmission type liquid crystal display wherein color filter layers are formed such that they cover all of source/drain metal layers such as drain bus lines.

Species H, Figures 34 A and B, Embodiment 3-2, drawn to a transmission type liquid crystal display wherein a top metal layer is covered by the resin CF layer that is formed first.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Art Unit: 2871

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeanne A. Di Grazio whose telephone number is (571)272-2289. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached on (571)272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jeanne Andrea Di Grazio Patent Examiner Art Unit 2871

JDG

TARIFUR R. CHOWDHURY